Cytometer Performance Report

Cytometer:	FACSCantoII	User:	Administrator
Cytometer Name:	FACSCantoII	Institution:	N/A
Serial Number:	V33896201821	Software:	BD FACSDiva 8.0.2
Input Device:	Carousel	Date:	02/03/2021 09:07 AM
Tube Loaded Manually:	Yes	Cytometer Baseline:	12/15/2020 11:39 AM
Cytometer Configuration:	Euroflow 3-laser, 8-color (4-2-2)	P/F:	Pass

Setup Beads

Bead Product:	CST Setup Beads	Part #:	910859
Lot ID:	91417	Expiration Date:	03/31/2021
Bead Lot Information:	Available		

Detector Settings

Laser	Detector	Parameter	Target Value	Actual Target Value	% Difference Target Value	Bright Bead % Robust CV	Mid Bead Median Channel	Mid Bead % Robust CV
Blue	FSC	FSC	125000	123836	-1	2.74	123804	2.78
Blue	F	SSC	125000	123997	-1	3.98	124707	3.97
Blue	E	FITC	14203	13708	-4	3.24	298	15.31
Blue	D	PE	25703	25230	-2	2.89	546	11.02
Blue	B	PerCP-Cy5-5	42104	40680	-4	3.58	905	15.15
Blue	A	PE-Cy7	34646	34153	-2	4.87	485	29.99
Red	C	APC	49824	48685	-3	3.14	1489	11.66
Red	A	APC-Cy7	39773	38693	-3	3.11	721	11.78
Violet	B	V450	7447	7161	-4	3.82	398	12.45
Violet	A	V500	31193	30257	-4	3.64	685	9.87

Detector Settings (Continued)

Laser	Detector	Parameter	Dim Bead Median Channel	Dim Bead % Robust CV	PMTV	Δ PMTV	Qr	Br	P/F
Blue	FSC	FSC	21914	2.97	553	-3	N/A	N/A	Pass
Blue	F	SSC	54508	3.49	516	4	N/A	N/A	Pass
Blue	E	FITC	56	51.89	487	1	0.0402	77	Pass
Blue	D	PE	107	38.51	489	4	0.3291	221	Pass
Blue	B	PerCP-Cy5-5	172	36.16	580	3	0.0178	10	Pass
Blue	A	PE-Cy7	109	66.53	625	5	0.0213	5	Pass
Red	C	APC	347	23.95	567	0	0.0264	53	Pass
Red	A	APC-Cy7	199	24.86	544	0	0.0063	812	Pass
Violet	B	V450	89	38.75	450	1	0.0447	1161	Pass
Violet	A	V500	120	26.16	468	1	0.0251	207	Pass

Specifications

PMTV Delta from baseline:	50 (BD)
Violet Laser Primary Channel Bright Bead %Robust CV:	6.00 (Recommended)
Blue Laser Primary Channel Bright Bead %Robust CV:	6.00 (Recommended)
Red Laser Primary Channel Bright Bead %Robust CV:	6.00 (Recommended)

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Laser Settings

Laser	Power (mW)	Power Spec. (mW)	Current (mA)	Current Guidelines (mA)	Delay (Trigger on FSC)	Delay (Trigger on Fluorescence)	Area Scaling Factor
Violet	59.55	47.97 - 71.95	N/A	N/A	-31.85	-31.64	1.01
Blue	20.35	16.27 - 24.41	1.28	0.99 - 1.49	0.00	0.00	1.40
Red	21.18	15.99 - 23.99	N/A	N/A	29.99	30.26	1.20

Window Extension: 7.00
FSC Area Scaling Factor: 0.75

Threshold

Threshold (FSC): 10602

Fluidics

FACSFlow Pressure: 3.90 Sample Pressure: 3.60
Spec.: 3.80 - 4.00

Comments